

## UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: WELL LOG ELECTRIC LOGS FILE ☒ WATER SANDS LOCATION INSPECTED SUB. REPORT/abd.

DATE FILED 11-24-92

LAND: FEE &amp; PATENTED STATE LEASE NO.

PUBLIC LEASE NO. U-0284

INDIAN

DRILLING APPROVED: 12-2-92

SPUDDED IN:

COMPLETED: 8-17-93 LA PUT TO PRODUCING:

INITIAL PRODUCTION:

GRAVITY A.P.I.

GOR:

PRODUCING ZONES:

TOTAL DEPTH:

WELL ELEVATION:

DATE ABANDONED: LA'D Per BLM EFF. 8-17-93

FIELD: NATURAL BUTTES

UNIT: NATURAL BUTTES

COUNTY: UINTAH

WELL NO. NBU 357-19E

API NO. 43-047-32412

LOCATION 666' FNL FT. FROM (N) (S) LINE,

828' FWL

FT. FROM (E) (W) LINE. NW NW

1/4 - 1/4 SEC. 19

| TWP. | RGE. | SEC. | OPERATOR | TWP. | RGE. | SEC. | OPERATOR                |
|------|------|------|----------|------|------|------|-------------------------|
|      |      |      |          | 9S   | 22E  | 19   | ENRON OIL & GAS COMPANY |

# ENRON

## Oil & Gas Company

1801 California Street, Suite 3400, Denver, Colorado 80202 (303) 293-2525

October 28, 1992

RECEIVED

NOV 02 1992

DIVISION OF  
OIL GAS & MINING

Utah State Office  
Bureau of Land Management  
P.O. Box 45155  
Salt Lake City, Utah 84145-0155

Attention: Mr. Robert A. Henricks  
Chief, Branch of Fluid Minerals

RE: Designations of Agent  
NBU 323-23E, 350-15E, 353-10E, 354-12E,  
357-19E, 359-13E, 361-1E, 362-2E,  
369-22E  
Uintah County, Utah  
Natural Buttes Prospect  
1540-AA29, 1540-AA41, 0050615-000,  
0050626-000, 0050633-000, 0050638-000,  
0050641-000, 0050648-000, 0050650-000,  
0050652-000, 0050692-000

Gentlemen:

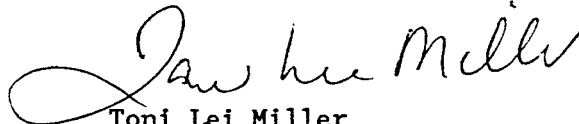
Enclosed, for your approval, are three (3) copies of a blanket Designation of Agent pertaining to Enron Oil & Gas Company's proposed nine (9) wells listed on Exhibit "A" thereto. All copies have been originally executed on behalf of Coastal Oil & Gas Corporation.

When approved, please forward the approved Designation of Agent to my attention at the letterhead address.

If anything further is needed in connection with this matter, please contact the undersigned at the telephone number listed in the letterhead.

Yours very truly,

ENRON OIL & GAS COMPANY

  
Toni Lei Miller  
Project Landman

TLM/dac  
Enclosure  
10681T

cc: Vernal District, BLM (with copy of enclosure)  
Division of Oil, Gas & Mining, Attn: Ms. Tami Searing  
(with copy of enclosure)  
Jim Schaefer - Big Piney (with copy of enclosure)  
George R. McBride - Vernal (with copy of enclosure)  
Coastal Oil & Gas Corporation, Attn: Mr. Donald H. Spicer  
(with copy of enclosure)

## DESIGNATION OF AGENT

Robert A. Henricks  
Chief, Branch of Fluid Minerals

The undersigned is, on the records of the Bureau of Land Management, Unit Operator under the Natural Buttes Unit Agreement, Uintah County, Utah, No. 14-08-00018900 approved January 5, 1968, and hereby designates:

NAME: Enron Oil & Gas Company

ADDRESS: P. O. Box 1815  
Vernal, Utah 84078

as its agent, with full authority to act in its behalf in complying with the terms of the unit agreement and regulations applicable thereto and on whom the supervisor or his representative may serve written or oral instructions in securing compliance with the Oil and Gas Operating Regulations with respect to drilling, testing, and completing the unit wells listed on the attached Exhibit "A" which are located in Uintah County, Utah.

This designation of agent does not relieve the Unit Operator of responsibility for compliance with the terms of the unit agreement. It is also understood that this designation of agent does not constitute an assignment of any interest under the unit agreement or any lease committed thereto.



The designated agent will be responsible for compliance with the Oil and Gas Operating Regulations as they relate to the drilling, testing, and completing of each of the subject wells. In accordance with 3104.2, bonding shall be provided by Enron Oil & Gas Company, Bond No. 81307603.

This designation of agent is deemed to be temporary and in no manner a permanent arrangement.

This designation is given only to enable the agent herein designated to drill the above specified unit wells. Unless sooner terminated, this designation shall terminate as to each well when there is filed in the appropriate district office of the Bureau of Land Management a completed file of all required Federal reports pertaining to that well. At which time the Unit Operator shall assume all liability of that well and bonding shall be provided by the Unit Operator or as otherwise arranged by the unit agreement. It is also understood that this designation of agent is limited to field operations and does not cover administrative actions requiring specific authorization of the Unit Operator.

COASTAL OIL & GAS CORPORATION, Unit Operator

By:

  
W. L. Donnelly, Vice President 

Date: October 23, 1992

## EXHIBIT "A"

Attached to and made a part of that certain Designation of Agent dated August 4, 1992, from Coastal Oil & Gas Corporation.

| WELL NAME   | LOCATION |     |     |     |
|-------------|----------|-----|-----|-----|
|             | DIV      | SEC | TWP | RGE |
| NBU 323-23E | NWNE     | 23  | 9   | 21  |
| NBU 350-15E | SESW     | 15  | 9   | 20  |
| NBU 353-10E | NWSE     | 10  | 9   | 21  |
| NBU 354-12E | SESW     | 12  | 9   | 21  |
| NBU 357-19E | NWNW     | 19  | 9   | 22  |
| NBU 359-13E | SWSE     | 13  | 10  | 20  |
| NBU 361-1E  | NWSW     | 1   | 10  | 22  |
| NBU 362-2E  | NENW     | 2   | 10  | 22  |
| NBU 369-22E | NESW     | 22  | 9   | 20  |

All Township and Range references are South and East of the Salt Lake Meridian in Uintah County, Utah.



OIL & GAS COMPANY

P.O. BOX 1815, VERNAL, UTAH 84078 (801)789-0790

November 12, 1992

Bureau of Land Management  
Vernal District  
170 South 500 East  
Vernal, Utah 84078

RE: NOTICE OF STAKING  
NATURAL BUTTES UNIT 357-19E  
Sec. 19, T9S, R22E  
Uintah County, Utah  
Lease No. U-0284

Dear Mr. Forsman:

Attached is a Notice of Staking on the subject well.

If you require further information, please contact this office.

Very truly yours,  
ENRON OIL & GAS COMPANY

*By* *George R. McBride*

George McBride  
Sr. Production Foreman

Attachment

cc: Division of Oil Gas & Mining  
Doug Weaver/Toni Miller  
Curt Parsons  
File

/lw  
NOSLTR

RECEIVED

NOV 16 1992

DIVISION OF  
OIL GAS & MINING

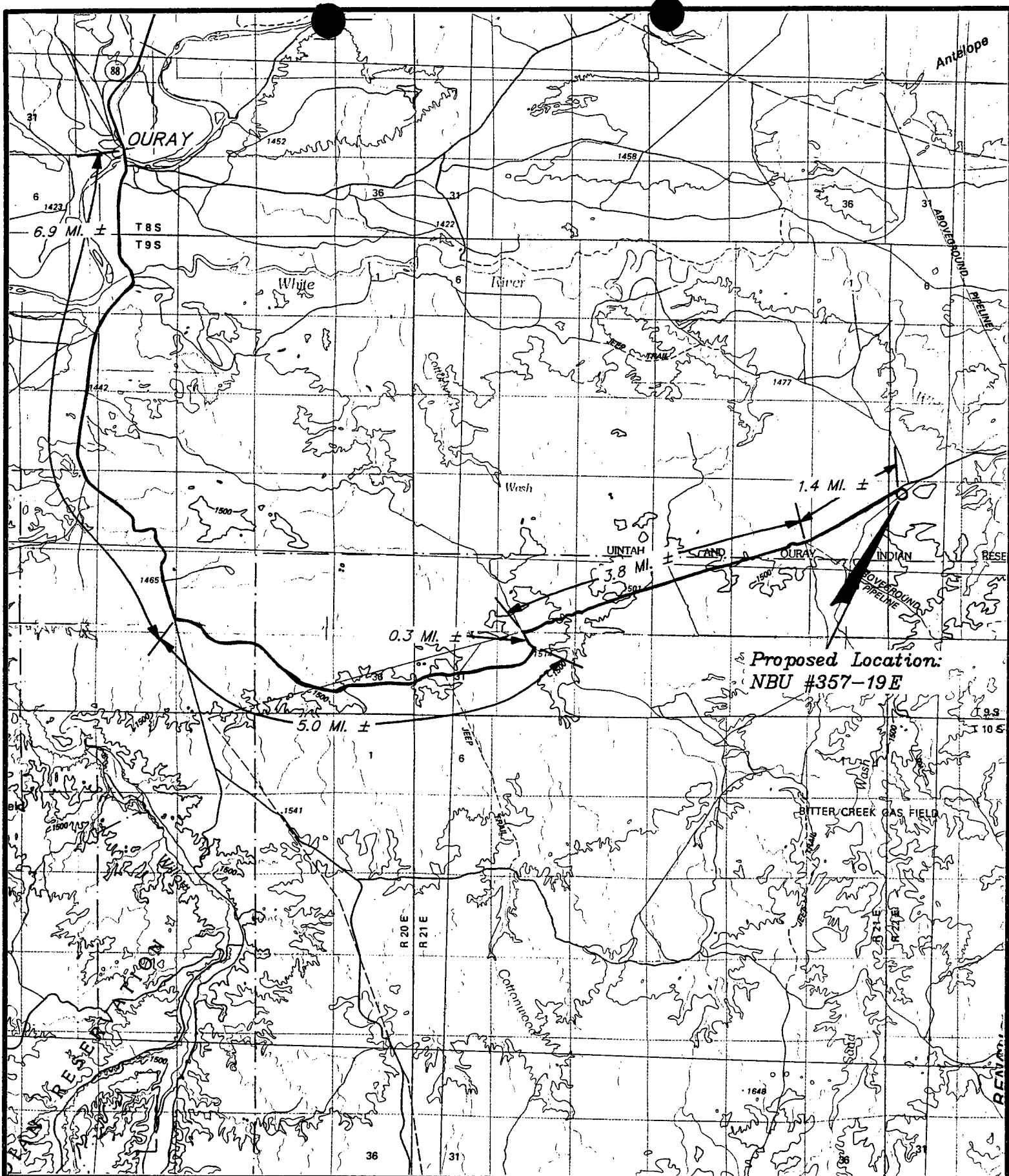
|  |  |  |                           |
|--|--|--|---------------------------|
| NOTICE OF STAKING<br>(Not to be used in place of<br>Application to Drill Form 9-331-C)   |  | RMOGA<br>5/5/82  | 5. Lease Number<br>U-0284 |
| 1. Oil Well      Gas Well X      Other   |  | 6. If Indian, Allottee or Tribe Name<br>Ute Indian Land                  |                           |
| 2. Name of Operator<br>Enron Oil & Gas Company   |  | 7. Unit Agreement Name<br>Natural Buttes Unit                            |                           |
| 3. Address of Operator or Agent<br>P. O. Box 1815, Vernal, Utah 84078  |  | 8. Farm or Lease Name<br>Natural Buttes Unit                             |                           |
| 4. Surface Location of Well<br>(Governmental 1/4 or 1/4 1/4)<br><br>LOT 1 666' FNL, 828' FWL   |  | 9. Well No.<br>357-19E   |                           |
| Attach: Topographical or other acceptable map<br>Showing location, access road, and lease boundaries   |  | 10. Field or Wildcat Name<br>NBU/Wasatch                                 |                           |
| 14. Formation Objective(s)<br>Wasatch  |  | 11. Sec., T., R., M., or<br>Blk and Survey or Area<br>Sec. 19, T9S, R22E |                           |
| 15. Estimated Well Depth<br>7500'  |  | 12. County or Parish      13. State<br>Uintah      Utah                  |                           |
| 16. To Be Completed by Operator Prior to Onsite <ul style="list-style-type: none"> <li>a. Location must staked - Completed</li> <li>b. Access Road Flagged - Completed</li> <li>c. Sketch and/or map of location, showing road, pad dimensions, reserve pit, cuts, and fills<br/>(To be provided at onsite)</li> </ul> |  |  |                           |
| 17. To Be Considered By Operators Prior to Onsite <ul style="list-style-type: none"> <li>a. H2S Potential - NA</li> <li>b. Private Surface Ownership - NA</li> <li>c. Cultural Resources (Archaeology) - Completed</li> <li>d. Federal Right of Way</li> </ul>   |  |  |                           |
| 18. Additional Information   |  |  |                           |

19. Signed Linda L. Wall Title Sr. Admin. Clerk Date 11/12/92

RECEIVED

NOV 16 1992

DIVISION OF  
OIL GAS & MINING



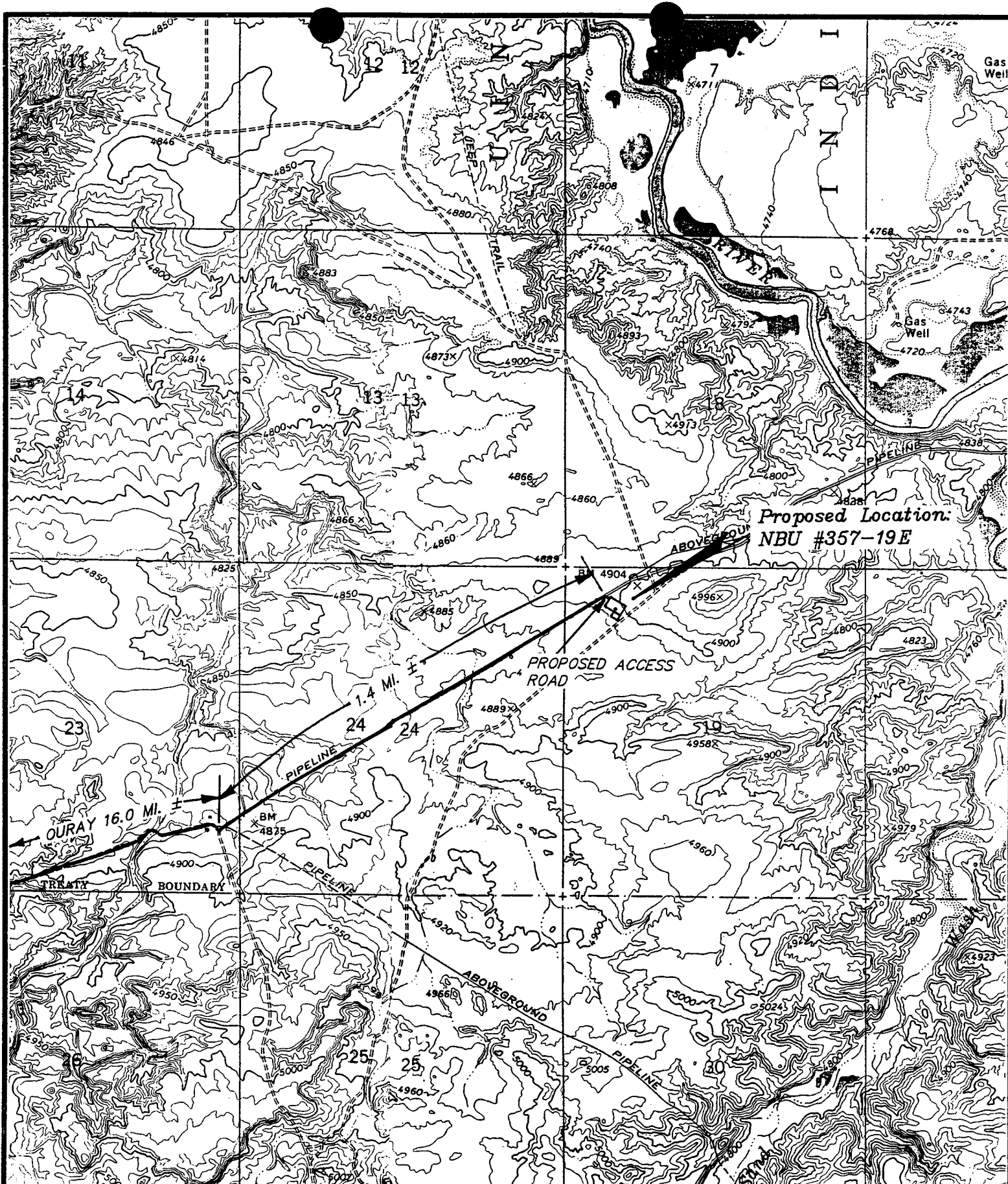
TOPOGRAPHIC  
MAP "A"

DATE 11-10-92 J.L.G.



**ENRON OIL & GAS CO.**

NBU #357-19E  
SECTION 19, T9S, R22E, S.L.B.&M.



TOPOGRAPHIC  
MAP "B"

SCALE: 1" = 2000'  
DATE 11-10-92 J.L.G.



ENRON OIL & GAS CO.

NBU #357-19E  
SECTION 19, T9S, R22E, S.L.B.&M.





OIL & GAS COMPANY

P.O. BOX 1815, VERNAL, UTAH 84078 (801)789-0790

November 19, 1992

Bureau of Land Management  
Vernal District  
170 South 500 East  
Vernal, Utah 84078

RE: APPLICATION FOR PERMIT TO DRILL  
NATURAL BUTTES UNIT 357-19E  
SECTION 19, T9S, R22E  
UINTAH COUNTY, UTAH  
LEASE NO. U-0284  
UTE TRIBAL LANDS

Dear Mr. Forsman:

Enclosed are the original and two (2) copies of the Application for Permit to Drill and associated attachments for the referenced well.

If further information is required regarding this matter, please contact this office.

Sincerely,

ENRON OIL & GAS COMPANY

George R. McBride  
Sr. Production Foreman

Attachments

cc: State Division of Oil, Gas & Mining  
D. Weaver/T. Miller  
Suzanne Saldivar - Houston  
File

/lw

NBU357-19EAPD

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

|  |                                      |   |  |
|--|--------------------------------------|---|--|
| 1a. TYPE OF WORK<br>DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>   |                                      |   | 5. LEASE DESIGNATION AND SERIAL NO.<br>U-0284              |
| b. TYPE OF WELL<br>OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/> |                                      |   | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME<br>Ute Tribal Surface |
| 2. NAME OF OPERATOR<br>Enron Oil & Gas Company   |                                      |   | 7. UNIT AGREEMENT NAME<br>Natural Buttes Unit              |
| 3. ADDRESS OF OPERATOR<br>P.O. Box 1815, Vernal, Utah 84078  |                                      |   | 8. FARM OR LEASE NAME<br>Natural Buttes Unit               |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*<br>At surface<br>666' FNL & 828' FWL Lot 1<br>At proposed prod. zone   |                                      |   | 9. WELL NO.<br>357-19E                                     |
| 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*<br>17.4 Miles South East of Ouray, Utah  |                                      |   | 10. FIELD AND POOL, OR WILDCAT<br>NBU/Wasatch              |
| 15. DISTANCE FROM PROPOSED*<br>LOCATION TO NEAREST<br>PROPERTY OR LEASE LINE, FT.<br>(Also to nearest drig. unit line, if any)<br>666±   | 16. NO. OF ACRES IN LEASE<br>870.72± | 17. NO. OF ACRES ASSIGNED<br>TO THIS WELL<br>80 |  |
| 18. DISTANCE FROM PROPOSED LOCATION*<br>TO NEAREST WELL, DRILLING, COMPLETED,<br>OR APPLIED FOR, ON THIS LEASE, FT.<br>2728'±  | 19. PROPOSED DEPTH<br>7500'±         | 20. ROTARY OR CABLE TOOLS<br>Rotary             |  |
| 21. ELEVATIONS (Show whether DF, RT, GR, etc.)<br>4898'± Graded Ground   |                                      |   | 22. APPROX. DATE WORK WILL START*<br>Decmeber 1992         |

23. PROPOSED CASING AND CEMENTING PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT  |
|--------------|----------------|-----------------|---------------|---|
| 12 1/4"      | 9 5/8"         | 32.3#           | 240'          | 125 sx Class "G" + 2% CaCl2 + 1/4 #/sx celloflake. 50/50 Pozmix + 2% gel + 10% salt to 400' above all zones of interest (+ 10% excess). Light cement (11 PPG±) + LCM to 200' above oil shale or fresh water intervals ( + 5% excess). |
| 7 7/8"       | 4 1/2"         | 10.5#           | 7500'         |   |

SEE ATTACHMENTS FOR:

8 Point Plan  
Drilling Program  
BOP Schematic  
Surface Use and Operating Plan  
Location Plat  
Location Layout  
Topographic Maps "A", "B", and "C"  
Gas Sales Pipeline Exhibit "A"

Enron Oil and Gas Company will be the designated operator of the subject well under Nation Wide Bond #81307603.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED Linda L. Wall TITLE Sr. Admin. Clerk DATE 11/19/92

(This space for Federal or State office use)

PERMIT NO. 43-047-30410 APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING

DATE: 12-2-92

BY: Matthew

WELL SPACING: 649-2-3

\*See Instructions On Reverse Side

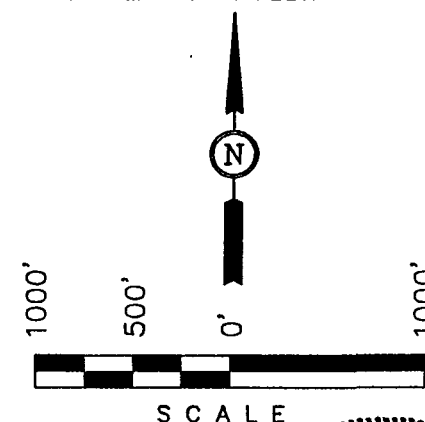
**T9S, R22E, S.L.B.&M.**

**ENRON OIL & GAS CO.**

Well location, NBU #357-19E, located as shown in LOT 1 of Section 19, T9S, R22E, S.L.B.&M. Uintah County, Utah.

**BASIS OF ELEVATION**

BENCH MARK 23 EAM 1964 LOCATED NEAR A ROAD IN THE NW 1/4 OF SECTION 19, T9S, R22E, S.L.B.&M. TAKEN FROM THE REDWASH SW QUADRANGLE, UTAH, UTAH COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 4904 FEET.



SCALE

CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

NO. 5709  
**ROBERT L. KAY**  
 REGISTERED LAND SURVEYOR  
 REGISTRATION NO. 5709  
 STATE OF UTAH

**UINTAH ENGINEERING & LAND SURVEYING**  
 85 SOUTH 200 EAST - VERNAL, UTAH 84078  
 (801) 789-1017

|                             |                             |                         |
|-----------------------------|-----------------------------|-------------------------|
| SCALE<br>1" = 1000'         | DATE SURVEYED:<br>11-10-92  | DATE DRAWN:<br>11-11-92 |
| PARTY<br>L.D.T. B.C. J.L.G. | REFERENCES<br>G.L.O. PLAT   |                         |
| WEATHER<br>COLD             | FILE<br>ENRON OIL & GAS CO. |                         |

Uintah County  
 Cap 5/8" Rebar,  
 Marked Set  
 Stone, Steel  
 Post 3' NW 1/4

N89°49'52"E - 4869.68' (Meas.)

Set Stone,  
 Pile of Stones  
 2' West.

**NBU #357-19E**

Elev. Ungraded Ground - 4898'

LOT 1

LOT 2

Set Marked Stone,  
 Pile of Stones,  
 Uintah County  
 Alum. Cap.

Marked Set  
 Stone, Pile  
 of Stones  
 4' West.

**19**

LOT 3

LOT 4

N89°59'E - 73.88 (G.L.O.)

**LEGEND:**

- └─┘ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

EIGHT POINT PLAN

NATURAL BUTTES UNIT 357-19E

SECTION 19, T9S, R22E

UINTAH COUNTY, UTAH

1. & 2. ESTIMATED TOPS & ANTICIPATED OIL, GAS & WATER ZONES:

| FORMATIONS      | DEPTH  | TYPE ZONES      | MAXIMUM PRESSURE |
|-----------------|--------|-----------------|------------------|
| Green River     |        |                 |                  |
| Oil Shale       | 1,424' |                 |                  |
| "H" Marker      | 3,238' |                 |                  |
| "J" Marker      | 3,906' |                 |                  |
| Base "M" Marker | 4,501' |                 |                  |
| Wasatch         |        |                 |                  |
| Peters Point    | 4,902' | Gas             | 2,200 PSI        |
| Chapita Wells   | 5,432' | Gas             | 2,400 PSI        |
| Buck Canyon     | 5,992' | Gas             | 2,700 PSI        |
| Island          | 6,915' | Gas             | 3,000 PSI        |
| EST. TD         | 7,500' | Anticipated BHP | 3,400 PSI        |

All depths are based on estimated KB elevation 4,910'. Maximum pressure estimates are based on bottom hole pressures measured on offset or near vicinity wells to the subject well.

3. PRESSURE CONTROL EQUIPMENT: BOP Schematic Diagram attached.

4. CASING PROGRAM:

| <u>HOLE SIZE</u> | <u>INTERVAL</u> | <u>LENGTH</u> | <u>SIZE</u> | <u>WEIGHT</u> | <u>GRADE</u> | <u>MINIMUM SAFETY FACTOR</u> |              |                |
|------------------|-----------------|---------------|-------------|---------------|--------------|------------------------------|--------------|----------------|
|                  |                 |               |             |               |              | <u>COLLAPSE</u>              | <u>BURST</u> | <u>TENSILE</u> |
| 12 1/4"          | 0' - 240'       | 240'          | 9 5/8"      | 32.3#         | H-40 ST&C    | 1400 PSI                     | 2270 PSI     | 254,000#       |
| 7 7/8"           | 0' - 7500'      | 7500'         | 4 1/2"      | 10.5#         | J-55 ST&C    | 4010 PSI                     | 4790 PSI     | 146,000#       |

All casing to be used will be new or inspected.

5. MUD PROGRAM:

| <u>INTERVAL</u> | <u>MUD TYPE</u>                        |
|-----------------|--|
| 0' - 240'       | Air                                    |
| 240' - 4000'    | Air Mist & Aerated Water               |
| 4000' - TD      | Aerated 3% KCl water or KCl substitute |
| TD              | Gel/polyacrylamide polymer w/5-10% LCM |

Lost circulation probable from 1500' to 3000'±.

Sufficient mud inventory will be maintained on location during drilling to handle any adverse conditions that may arise.

EIGHT POINT PLAN

NATURAL BUTTES UNIT 357-19E

PAGE NO. 2

6. VARIANCE REQUESTS:

- A. Enron requests a variance to regulations requiring a straight run blooie line. (There will be two targeted tees in blooie line).
- B. Enron requests a variance to regulations requiring an automatic ignitor or continuous pilot light on the blooie line. (Not required on aerated water system).

7. EVALUATION PROGRAM:

Logs: Dual Laterolog/GR From base of surface casing to TD.  
FDC-CNL/GR/Caliper TD to 3150'  
Linear 2" DLL.

Cores: None Programmed.  
DST' : None Programmed.

Completion: To be submitted at a later date.

8. ABNORMAL CONDITIONS:

None anticipated.

9. STANDARD REQUIRED EQUIPMENT:

- A. Choke Manifold
- B. Kelly Cock
- C. Stabbing Valve
- D. Visual Mud Monitoring

Attachment: BOP Schematic Diagram

NBU357-19EPP

/LW

CONDITIONS OF APPROVAL  
FOR THE SURFACE USE PROGRAM OF THE  
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Enron Oil & Gas Company  
Well Name & Number: Natural Buttes Unit 357-19E  
Lease Number: U-0284  
Location: 666' FNL & 828' FWL LOT 1 Sec. 19 T. 9S R. 22E  
Surface Ownership: Ute Indian Tribe

NOTIFICATION REQUIREMENTS

- Location Construction - forty-eight (48) hours prior to construction of location and access roads.
- Location Completion - prior to moving on the drilling rig.
- Spud Notice - at least twenty-four (24) hours prior to spudding the well.
- Casing String and Cementing - twenty-four (24) hours prior to running casing and cementing all casing strings.
- BOP and related Equipment Tests - twenty-four (24) hours prior to running casing and tests.
- First Production Notice - within five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

For more specific details on notification requirements, please check the Conditions of Approval for Notice to Drill and Surface Use Program.

## THIRTEEN POINT SURFACE USE PROGRAM

### **1. EXISTING ROADS**

- A. See attached Wellsite Plats showing directional reference stakes on location, and attached TOPO Map "B" showing access to location from existing road.
- B. The proposed well site is located approximately 17.4 miles southeast of Ouray, Utah - See attached TOPO Map "A".
- C. Refer to attached Topographic Map "A" showing labeled access route to location.
- D. Existing roads will be maintained and repaired as necessary. No off lease Right-of-Way will be required.

### **2. PLANNED ACCESS ROAD**

- A. The access road will be 30' in length. See attached TOPO Map "B".
- B. The access road has a 30 foot ROW w/18 foot running surface.
- C. Maximum grade on access road will be 5%.
- D. No turn outs will be required.
- E. Road drainage crossings shall be of the typical dry creek drainage crossing type.
- F. No culverts, bridges or major cuts & fills will be required.
- G. The access road will be dirt surface.
- H. No gates, cattleguards or fences will be required or encountered.

New or reconstructed roads will be centerline - flagged at time of location staking.

All travel will be confined to existing access road Right-of-Way. Access roads and surface disturbing activities will conform to standards outlined in the Bureau of Land Management and Forest Service Publication: Surface Operating Standards For Oil & Gas Exploration and Development, (1989).

The road shall be upgraded to meet the standards of the anticipated traffic flow and all-weather road requirements. Upgrading shall include ditching, drainage, graveling, crowning, and capping the roadbed as necessary to provide a well constructed safe road. Prior to upgrading, the road shall be cleared of any snow cover and allowed to dry completely. Traveling off the 30 foot Right-of-Way will not be allowed.

Road drainage crossing shall be of the typical dry creek drainage crossing type. Crossings shall be designed so they will not cause siltation or accumulation of debris in the drainage crossings nor shall the drainages be blocked by the roadbed. Erosion of drainage ditches by run off water shall be prevented by diverting water off at frequent intervals by means of cutouts. Upgrading shall not be allowed during muddy conditions. Should mud holes develop, they shall be filled in and detours around them avoided.

A Right-of-Way application will be required.

As operator Enron Oil & Gas Company shall be responsible for all maintenance on cattleguards, or gates associated with this oil and/or gas operation.

3. LOCATION OF EXISTING WELLS WITHIN A ONE MILE RADIUS OF PROPOSED WELL LOCATION

- A. Water wells - None.
- B. Abandoned wells - None
- C. Temporarily abandoned wells - None
- D. Disposal wells - None
- E. Drilling wells - None
- F. Producing wells - Thirteen - See attached TOPO Map "C" for location of producing wells.
- G. Shut in wells - None
- H. Injection wells - None

4. LOCATION OF EXISTING/AND OR PROPOSED FACILITIES

A. ON WELL PAD

- 1. Tank batteries - None
- 2. Production facilities will be set on location if well is successfully completed for production. Facilities will consist of well head & valves, separator, dehy, 210 BBl condensate tank, meter house and attaching piping. See attached facility diagram.
- 3. Oil gathering lines - None
- 4. A 3 1/2" gathering line will be buried from dehy to north edge of location.
- 5. Injection lines - None
- 6. Disposal lines - None
- 7. Surface pits - None

B. OFF WELL PAD

- 1. Proposed location of attendant off pad gas flowlines shall be flagged prior to archaeological clearance.
- 2. A 4 1/2" OD steel above ground natural gas pipeline will be laid approximately 2657' from proposed location to a point in the SE/NE of Sec. 24, T9S, R22E where it will tie into CIGE's existing line. Proposed pipeline crosses Ute Indian Tribe Lands, thus a Right-of-Way grant will be required. See attached Exhibit A showing pipeline route.
- 3. Proposed gas gathering pipeline will be a 4 1/2" OD steel, welded line laid on the surface.
- 4. Protective measures and devices for livestock and wildlife will be taken and or installed where required.

If storage facilities/tank batteries are constructed on this lease, the facility/battery or the well pad shall be surrounded by a containment dike of sufficient capacity to contain, at a minimum, the entire content of the largest tank within the facility/battery, unless more stringent protective requirements are deemed necessary by the authorized officer.



The production facilities will be placed on the northeast side of location.

All permanent (on site for six months or longer) structures constructed or installed (including pumping units) will be painted a flat, non-reflective, earthtone color to match one of the standard environmental colors, as determined by the Rocky Mountain Five State Interagency Committee. All facilities required will be painted within 6 months of installation. Facilities required to comply with O.S.H.A. (Occupational Safety and Health Act) will be excluded. The required paint colors is Carlsbad Canyon.

**5. LOCATION & TYPE OF WATER SUPPLY**

- A. Water supply will be from Ouray Brine Plant at Ouray, Utah, and/or Target Trucking Inc.s' water source in the SW/SW Sec. 35, T9S, R22E, Uintah County, Utah (State water right #49-1501).
- B. Water will be hauled by Target Trucking Inc.
- C. No water well will be drilled on lease.

**6. SOURCE OF CONSTRUCTION MATERIAL**

- A. All construction material for this location and access road will be of native borrow and soil accumulated during the construction of location.
- B. All construction material will come from Ute Tribal Land.
- C. No mineral materials will be required.

**7. METHODS OF HANDLING WASTE DISPOSAL**

**A. METHODS AND LOCATION**

- 1. Cuttings will be confined in the reserve pit.
- 2. A portable toilet will be provided for human waste during the drilling and completion of the well. Disposal will be at the Vernal sewage disposal plant.
- 3. Burning will not be allowed. Trash and other waste material will be contained in a wire mesh cage and disposed of at an approved waste disposal facility.
- 4. Produced waste water will be confined to a lined pit or storage tank for a period not to exceed 90 days after initial production. During the 90 days period, an application for approval of a permanent disposal method and location, together with the required water analysis, will be submitted for the AO's approval
- 5. All chemicals will be disposed of at an authorized disposal site. Drip pans and absorbent pads will be used on drilling rig to avoid leakage of oil to pit.

- B. Water from drilling fluids and recovered during testing operations will be disposed of by either evaporating in reserve pit or be removed and dispose of at an authorized disposal site. Introduction of well bore hydrocarbons to reserve pit will be avoided by flaring them off in flare pit at time of recovery.

Burning will not be allowed. all trash must be contained in a trash cage and hauled away to an approved disposal site at the completion of the drilling activities.

On BIA administered land:

All reserve pits will be lined with either native clay, commercial bentonite or plastic sufficient to prevent seepage. (If a plastic nylon reinforced liner is used, it shall be torn and perforated after the pit dries and before backfilling of the reserve pit).

- To protect the environment.  
If the reserve pit is lined the operator will provide the BIA a chemical analysis of the fluids in that pit no later than 90 days after the well completion to determine the method for final reclamation of the reserve pit. If the elemental concentrations shown by the chemical analysis exceeds the requirements described by part II, Standards of Quality for Waters of the State, Wastewater Disposal Regulations, State of Utah Division of Health, the contents and liner will be removed and disposed of at an authorized disposal site.
- To protect the environment (without a chemical analysis).  
Reserve pits will be constructed so as not to leak, break, or allow discharge of liquids.
- Storage tanks will be used if drill sites are located on tribal irrigable land, flood plains, or on lands under crop production. After first production, produced waste water will be confined to a lined pit or storage tank for a period not to exceed ninety (90) days. During the 90 day period, in accordance with NTL-2B, an application for approval of a permanent disposal method and location, along with required water analysis, shall be submitted for the AO's approval. Failure to file an application within the time allowed will be considered an incident of noncompliance.

8. ANCILLARY FACILITIES

- A. No airstrips or camps are planned for this well.

9. WELL SITE LAYOUT

- A. Refer to attached well site plat for related topography cuts and fills & cross sections.
- B. Refer to attached well site plat for rig layout and soil material stockpile location as approve on On-site.
- C. Refer to attached well site plat for rig orientation parking areas, and access road.

The reserve pit will be located on the south side of location.

The flare pit will be located downwind of the prevailing wind direction on the south side of location a minimum of 100 feet from the well head and 30 feet from the reserve pit fence.

The stockpiled topsoil will be stored on the northeast corner.

Access to the well pad will be from the north.

- NA Diversion ditch(es) shall be construct on the \_\_\_\_\_ side of the location (above/below) the cut slope, draining to the \_\_\_\_\_
- NA Soil compacted earthen berm(s) shall be placed on the \_\_\_\_\_ side(s) of the location between the \_\_\_\_\_
- NA The drainage(s) shall be diverted around the side(s) of the well pad location.
- NA The reserve pit and/or pad locations shall be constructed long and narrow for topographic reasons \_\_\_\_\_.
- NA The \_\_\_\_\_ corner of the well pad will be rounded off to avoid the \_\_\_\_\_.

#### **FENCING REQUIREMENTS**

All pits will be fenced according to the following minimum standards:

- A. 39 inch net wire shall be used with at least one strand of barbed wire on top of the net wire. (barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence).
- B. The net wire shall be no more than 2 inches above the ground. The barbed wire strand shall be 3 inches above the net wire. Total eight of the fence shall be at least 42 inches.
- C. Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.
- D. Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than 16'.
- E. All wire shall be stretched by using a stretching device before is be attached to the corner posts.

The reserve pit fencing will be on the three sides during drilling operations and on the fourth side when the rig moves off the location. Pits will be fenced and maintained until clean-up.

Each existing fence to be crossed by the access road shall be braced and tied off before cutting so as to prevent slacking of the wire. The opening shall be closed temporarily as necessary during construction to prevent the escape of livestock, and upon completion of construction the fence shall be repaired to BIA or SMA specifications. A cattleguard with an adjacent 16 foot gate shall be installed in any fence where a road is to be regularly travelled. If the well is a producer, the cattleguards (shall/shall not) be permanently mounted on concrete bases. Prior to a new road, crossing any fence located on federal land, or any fence between federal land and private land, the operator will contact the BIA, who will in turn contact the grazing permittee or owner of said fence and offer him/her the opportunity to be present when the fence is cut in order to satisfy himself/herself that the fence is adequately braced and tied off.

**10. PLANS FOR RESTORATION OF SURFACE**

**A. PRODUCING LOCATION**

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, materials, trash, and junk not required for production.

Immediately upon well completion, any hydrocarbons on the pit shall be removed in accordance with CFR 3162.7-1.

If a plastic nylon reinforced liner is used, it shall be torn and perforated before backfilling of the reserve pit.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximate natural contours. The reserve pit will be reclaimed within 12 months from the date of well completion. Before any dirt work takes place, the reserve pit will be completely dry and all cans, barrels, pipe, etc., will be removed.

Contact appropriate surface management agency for required seed mixture.

**B. DRY HOLE/ABANDONED LOCATION**

At such time as the well is plugged and abandoned, the operator will submit a subsequent report of abandonment and BIA will attach the appropriate surface rehabilitation conditions of approval.

**ON BIA Administered lands:**

Abandoned well sites, roads, or other disturbed areas will be restored to near their original condition. This procedure will include: (a) reestablishing irrigation systems where applicable, (b) re-establishing soil conditions in irrigated fields in such a way as to ensure cultivation and harvesting of crops and, (c) ensuring revegetation of the disturbed areas to the specifications of the Ute Indian Tribe or the BIA at the time of abandonment.

**11. SURFACE OWNERSHIP**

Access road: Ute Indian Tribe  
Location: Ute Indian Tribe

**12. OTHER INFORMATION**

- A. Enron Oil & Gas Company will inform all persons in the area who are associated with this project that they are subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, the operator will immediately stop work that might further disturb such materials, and contact the AO. Within five working days the AO will inform the operator as to:

-whether the materials appear eligible for the National Register of historic Places;

-the mitigation measures the operator will likely have to undertake before the site can be used.

-a time frame for the AO to complete an expedited review under 36 CFR 800.11 to confirm, through the State Historic Preservation Officer, that the findings of the AO are correct and that mitigation is appropriate.

-if the operator wished, at any time, to relocate activities to avoid the expense of mitigation and/or the delays associated with this process, the AO will assume responsibility for whatever recordation and stabilization of the exposed materials may be required. Otherwise, the operator will be responsible for mitigation costs. The AO will provide technical and procedural guideline for the conduct of mitigation. Upon verification from the AO that required mitigation has been completed, the operator will then be allowed to resume construction.

- B. As operator Enron Oil & Gas Company will control noxious weeds along Right-of-Ways for roads, pipelines, well sites or other applicable facilities. A list of noxious weeds will be obtained from the BLM, or the appropriate County Extension Office. On BLM administered land a Pesticide Use proposal shall be submitted, and given approval, prior to the application of herbicides or other pesticides or possible hazardous chemicals.
- C. Drilling rigs and/or equipment used during drilling operations on this wellsite will not be stacked or stored on Federal Lands after the conclusion of drilling operations or at any other time without BLM authorization. However, if BLM authorization is obtained, it is only a temporary measure to allow time to make arrangements for permanent storage on commercial facilities. (The BLM does not seek to compete with private industry. There are commercial facilities available for for stacking and storing drilling rigs.)

On BIA administered land:

Operator's employees, including subcontractors, will not gather firewood along roads constructed by operators. If wood cutting is required, a permit will be obtained from the Forestry Department of the BIA pursuant to 25 CFR 169.13 "Assessed Damages Incident to Right-of-Way authorization". All operators, subcontractors, vendors and their employees or agents may not disturb saleable timber (including firewood without a duly granted wood permit from the BIA Forester.

If the surface rights are owned by the Ute Indian Tribe and mineral rights are owned by another entity, and approved right-of-way will be obtained from BIA before the operator begins any construction activities. If the surface is owned by another entity and the mineral rights are owned by Ute Indian Tribe, rights-of-way will be obtained from the other entity.

All roads constructed by operators on the Uinta and Ouray Indian Reservation will have appropriate signs. Signs will be neat and of sound construction. They will state: (A) that the land is owned by the Ute Indian Tribe, (b) the name of the operator, (c) that firearms are prohibited to all non-Ute Tribal members. (d) that permits must be obtained from the BIA before cutting firewood or other timber products and (e) only authorized personnel permitted. All well site locations on the Uinta and Ouray Indian Reservation will have an appropriate sign indicating the name of the operator, the lease serial number, the well name and number, the survey description of the well (either footage or the quarter-quarter section, the section, township, and range).

**Additional Surface Stipulations**

NA No construction or drilling activities shall be conducted between \_\_\_\_\_ and \_\_\_\_\_ because of \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

NA No surface occupancy will be allowed within 1,000 feet of any sage grouse strutting ground.

NA No construction or exploration activities are permitted within 1.5 mile radius of sage grouse strutting grounds from April 1 to June 30.

NA There shall be no surface disturbance within 600 feet of live water (includes stock tanks, springs, and guzzlers).

NA No cottonwood trees will be removed or damaged.

NA Pond will be constructed according to BLM specifications approximately \_\_\_\_\_ ft. \_\_\_\_\_ of the location, as flagged on onsite.

**LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION**

Enron Oil and Gas Company  
P.O. Box 1815  
Vernal, Utah 84078  
George McBride  
Telephone: (801) 789-0790

Enron Oil and Gas Company  
P.O. Box 250  
Big Piney, Wyoming  
Jim Schaefer  
Telephone: (307) 276-3331

All lease/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approval plan of operations, and any applicable Notice to Lessees. Enron Oil & Gas Company is fully responsible for the actions of their subcontractors. A copy of these conditions will be furnished to the field representative to insure compliance.

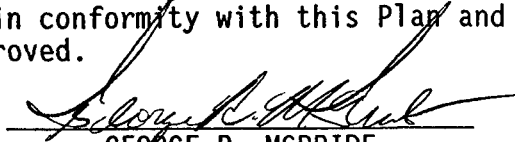
A copy of the approved APD and ROW grant, if applicable, shall be on location during construction of the location and drilling activities

The BIA Office shall be notified upon site completion prior to moving on the drilling rig.

**Certification:**

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in the Plan are to the best of my knowledge, true and correct; and that the work associated with the operations proposed here in will be performed by ENRON OIL & GAS COMPANY and its contractors and sub-contractors in conformity with this Plan and the terms and conditions under which it is approved.

November 19, 1992  
DATE

  
\_\_\_\_\_  
GEORGE R. MCBRIDE  
SR. PRODUCTION FOREMAN

## DRILLING PROGRAM

Date: October 7, 1992

REVISION NO. &amp; DATE: \_\_\_\_\_

PROSPECT: NATURAL BUTTES UNIT LEASE: U-0284 (0050615-000)WELL NAME & NUMBER: Natural Buttes Unit 357-19EWELL CLASSIFICATION: DW-GAS ANTICIPATED PRODUCTION: OIL \_\_\_\_\_ GAS X OTHER \_\_\_\_\_  
TGS XLOCATION CALL: 660' FNL & 660' FWL (NW NW)  
Section 19, T9S, R22E  
Uintah County, UtahELEVATION: 4880' GL, 4892' KB (estimated)DIRECTION LIMITATIONS: Maximum deviation for the hole will be 6° w/no more  
than a 1°/100' dogleg severity. See page number 4 for distance between  
surveys.TYPE RIG: Land Rotary APPROVED DEPTH: 7500' PERMIT DEPTH: 7500'CONDUCTOR NEEDED? No If yes, size & how set: \_\_\_\_\_CRITERIA FOR DETERMINING CASING SEAT FOR CRITICAL STRINGS: WOC overnight  
before cutting off surface casing to weld on head.

## CENTRALIZERS (DEPTH &amp; TYPE):

Surface - One 5-10' above shoe & top of first, second & fourth joint.Production - One @ middle of 1st jt & every third collar to 5000'±.



WELL NAME: Natural Buttes Unit 357-19E

## STAGE COLLARS, BASKETS, OTHER SPECIAL EQUIPMENT:

Surface - Guide shoeProduction - Guide shoe and differential fill float collar with top plug.

Marker joints @ 4500'± &amp; 6000'±.

PUMPING RATES/SPECIAL INSTRUCTIONS: Circulate casing two hours prior to cementing. Reciprocate casing.LOGGING PROGRAM: DLL/GR from TD to base of surface casing.

FDC/DSN/GR/caliper from TD to 100' above Green River "H" Marker.

Continue caliper to desired top of cement.CORES: None are anticipated.SAMPLES: Collect 30' samples from below surface casing to 4400'±. Collect 10' samples from 4400'± to TD.FORMATION TESTS: None are anticipated.MUD LOGGING: (Includes services & depth): From 4400'± to TD.DETECTION & CONTROL EQUIPMENT: 10" 2000 psig BOP with blind and pipe rams. 10" Annular Preventor. 10" rotating head. Test manifold & BOP's to 2000 psig, annular preventor to 1500 psig, surface casing to 1500 psig.Use certified pressure testing service company and leave a copy of the test chart in the doghouse until rig down.COMPLETION PROGRAM: To be submitted at a later date.OTHER SERVICES: None are anticipated.

**FORMATION TOPS & DEPTHS (TENTATIVE)**

| FORMATION NAME & TYPE | ESTIMATED DEPTH (EL) | DATUM | THICKNESS & REMARKS |
|-----------------------|----------------------|-------|---------------------|
|-----------------------|----------------------|-------|---------------------|

See attached Prognosis.

X-MAS TREE: 10" 3000# weld on casing head, 6" 5000# x 10" 3000# tubing  
spool, 2-1/16" 5000# master valves.

**MUD PROGRAM**

| DEPTH INTERVAL | MUD WEIGHT | VIS   | WL (cc) | TYPE OF MUD                             |
|----------------|------------|-------|---------|---|
| 0' to 240'     |            |       |         | Air                                     |
| 240' to 4000'  |            |       |         | Air/Mist & Aerated Water                |
| 4000' to TD    |            |       |         | Aerated 3% KCl water or KCl substitute. |
| TD             | 8.5-9.2    | 38-45 | 10-15   | Gel/polyacrylamide polymer w/5-10% LCM. |

**DRILLING HAZARDS & SPECIAL INSTRUCTIONS**

Lost circulation from 1500' to 3000'±. Underbalanced circulation system will  
require rotating head. Potential gas kicks in Green River and Wasatch. Potential  
shale swelling/sloughing problems. Meter air & add foamer to maximize consistency  
of returns & maintain stable pit levels. Utilize pack off head while running oper  
hole logs. Mix 500-600 bbls mud @ TD as above & displace hole prior to tripping  
for logs.

## CEMENT PROGRAM

| HOLE SIZE          | CASING SIZE       | DEPTH | CEMENT PROCEDURE   |
|--------------------|-------------------|-------|--|
| 12 $\frac{1}{2}$ " | 9 $\frac{1}{2}$ " | 240'  | Cement w/110 sx Class "G" cement + 2% CaCl <sub>2</sub> + $\frac{1}{4}$ #/sx celloflake. Circulate gelled water ahead of slurry.   |
| 7 $\frac{1}{2}$ "  | 4 $\frac{1}{2}$ " | 7500' | <p>Cover interval from TD to 4650'<math>\pm</math> w/50/50 Pozmix + 2% gel + 10% salt. Volume to be calculated from caliper log annular volume to 4650' plus 10% excess.</p> <p>Cover interval from 4650'<math>\pm</math> to depth specified in conditions of approval with light cement plus specified additives. Volume to be calculated from caliper log annular volume from 4650'<math>\pm</math> to applicable upper depth plus 5% excess.</p> <p>Circulate casing 2 hrs before cementing. Reciprocate casing during cementing. Pump 10 bbls mud flush ahead of slurry.</p> |

## CASING PROGRAM

| INTERVAL |      |       |        | WEIGHT |       |        | MINIMUM SAFETY FACTOR |              |                |
|----------|------|-------|--------|--------|-------|--------|-----------------------|--------------|----------------|
| SIZE     | FROM | TO    | LENGTH | #/FT.  | GRADE | THREAD | COLLAPSE (psig)       | BURST (psig) | TENSILE (psig) |
| 9-5/8"   | 0'   | 240'  | 240'   | 32.3#  | H-40  | ST&C   | 1400                  | 2270         | 254,000        |
| 4-1/2"   | 0'   | 7500' | 7500'  | 10.5#  | J-55  | ST&C   | 4010                  | 4790         | 146,000        |

## SURVEY SCHEDULE

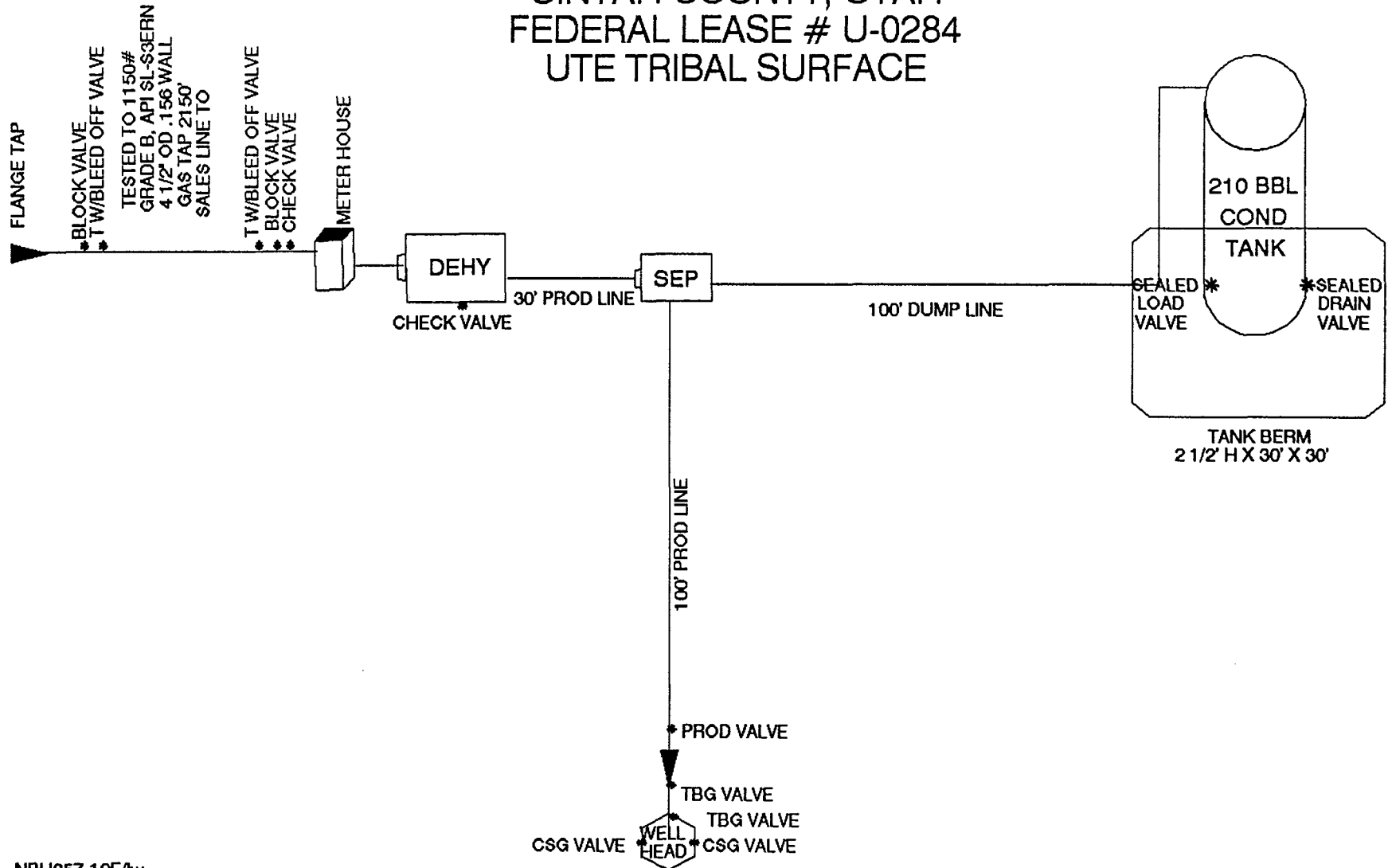
| DEPTH      | DISTANCE BETWEEN SURVEYS | MAX DEVIATIONS FROM VERTICAL | MAXIMUM CHANGE DEGREES/100' |
|------------|--------------------------|------------------------------|-----------------------------|
| 0' to 240' | 240'                     | 1 degree                     | 1 degree                    |
| 240' to TD | 500'<br>(or as needed)   | 6 degrees                    | 1 degree                    |

PREPARED BY: Jim R. Schaefer, Sr.  
 Jim R. Schaefer, Sr. Production Engineer

APPROVED BY: Dennis J. Brabec  
 Dennis J. Brabec, Drilling Superintendent

APPROVED BY: C. C. Parsons  
 C. C. Parsons, District Manager

NATURAL BUTTES UNIT 357-19E  
 LOT 1 SECTION 19, T9S, R22E  
 UTAH COUNTY, UTAH  
 FEDERAL LEASE # U-0284  
 UTE TRIBAL SURFACE



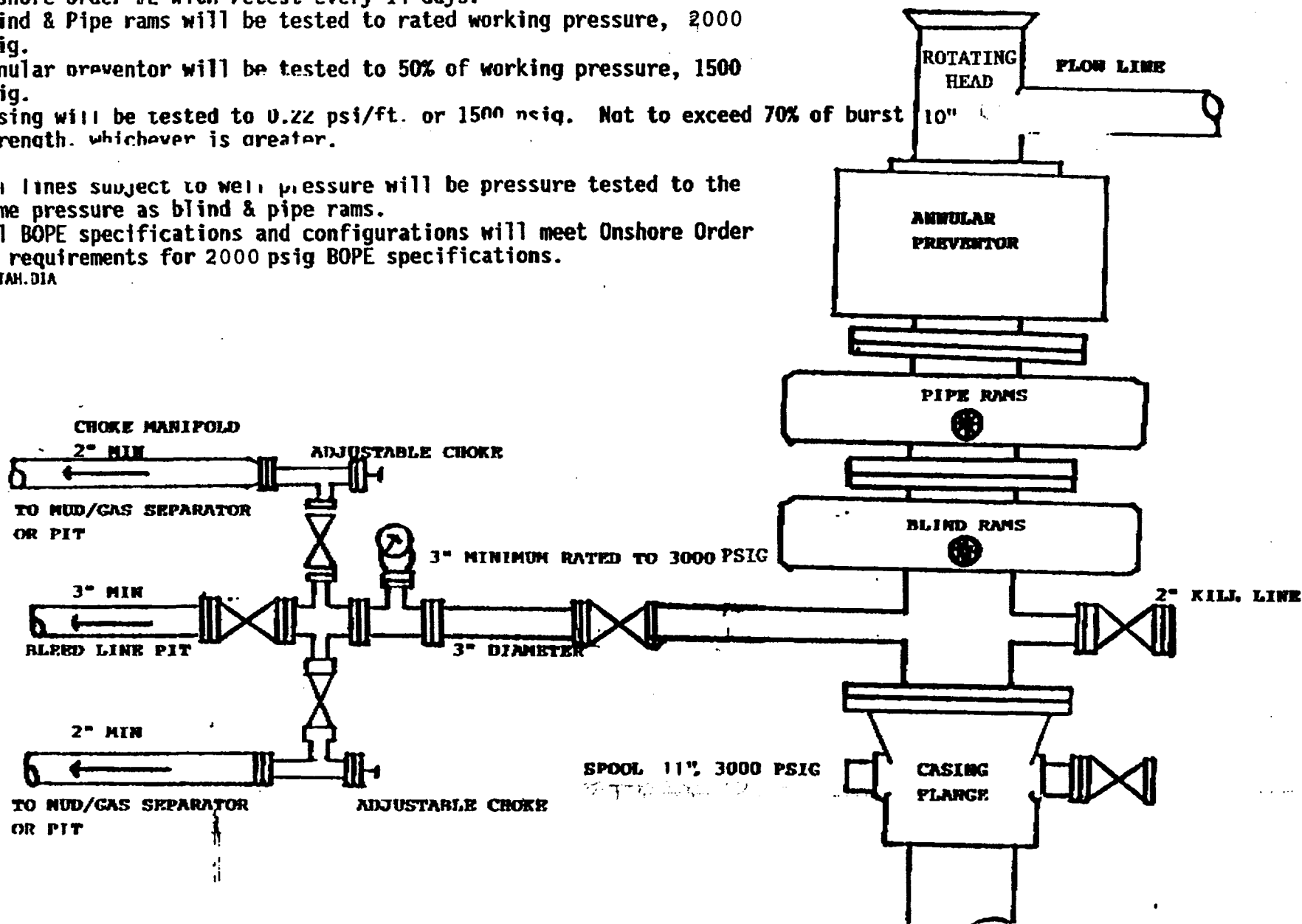
## 2000 PSIG BOP DIAGRAM

ANNULAR PREVENTOR AND BOTH RAMS ARE 3000 PSIG RATED.  
CASING FLANGE IS 11" 3000 PSIG RATED.  
BOPE 11" 2000 PSIG

### TESTING PROCEDURE:

1. BOPE's will be tested with a professional tester to conform to Onshore Order #2 with retest every 14 days.
2. Blind & Pipe rams will be tested to rated working pressure, 2000 psig.
3. Annular preventor will be tested to 50% of working pressure, 1500 psig.
4. Casing will be tested to 0.22 psi/ft. or 1500 psig. Not to exceed 70% of burst strength, whichever is greater.
5. All lines subject to well pressure will be pressure tested to the same pressure as blind & pipe rams.
6. All BOPE specifications and configurations will meet Onshore Order #2 requirements for 2000 psig BOPE specifications.

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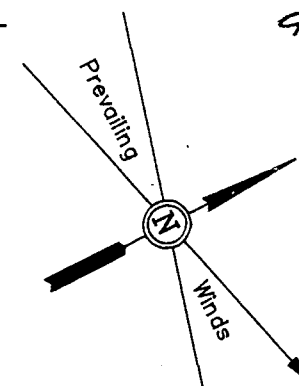
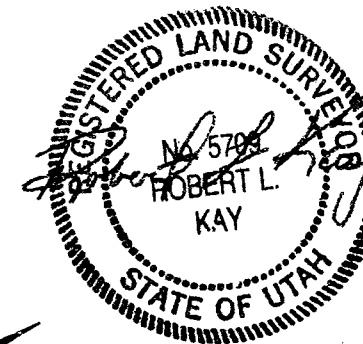


# ENRON OIL & GAS CO.

## LOCATION LAYOUT FOR

NBU #357-19E

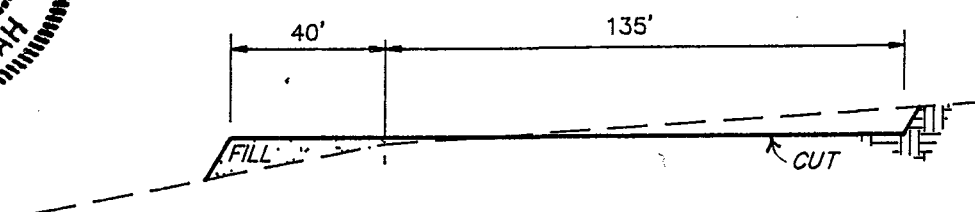
SECTION 19, T9S, R22E, S.L.B.&M.



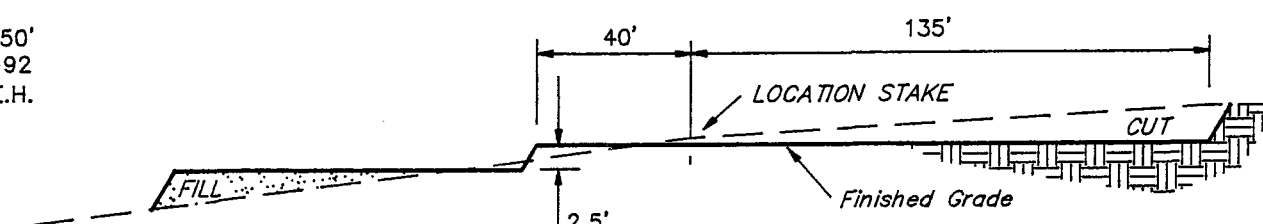
SCALE: 1" = 50'  
DATE: 11-11-92  
Drawn By: R.E.H.

X-Section Scale  
1" = 50'

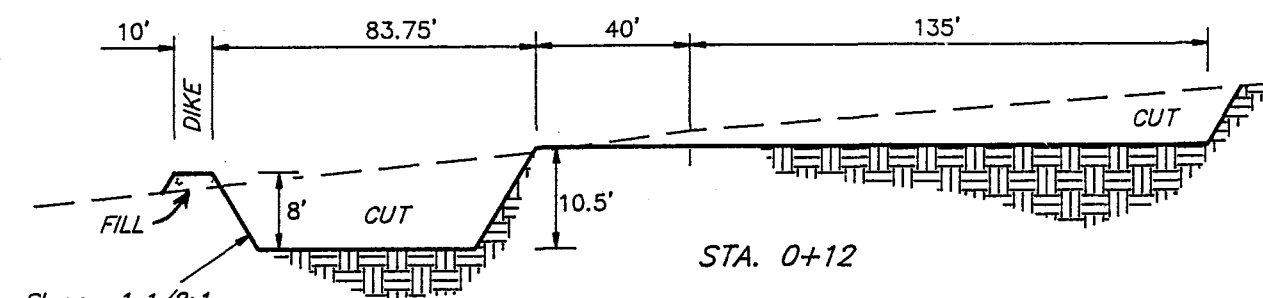
TYP. LOCATION LAYOUT  
TYP. CROSS SECTIONS



STA. 3+25

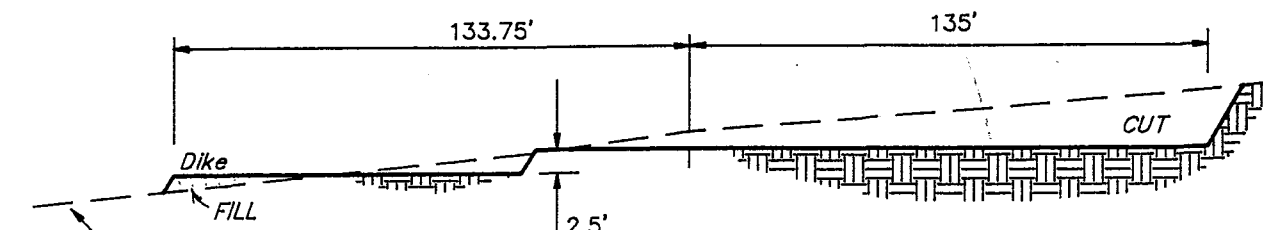


STA. 1+50



STA. 0+12

Slope = 1 1/2:1 (Typ.)

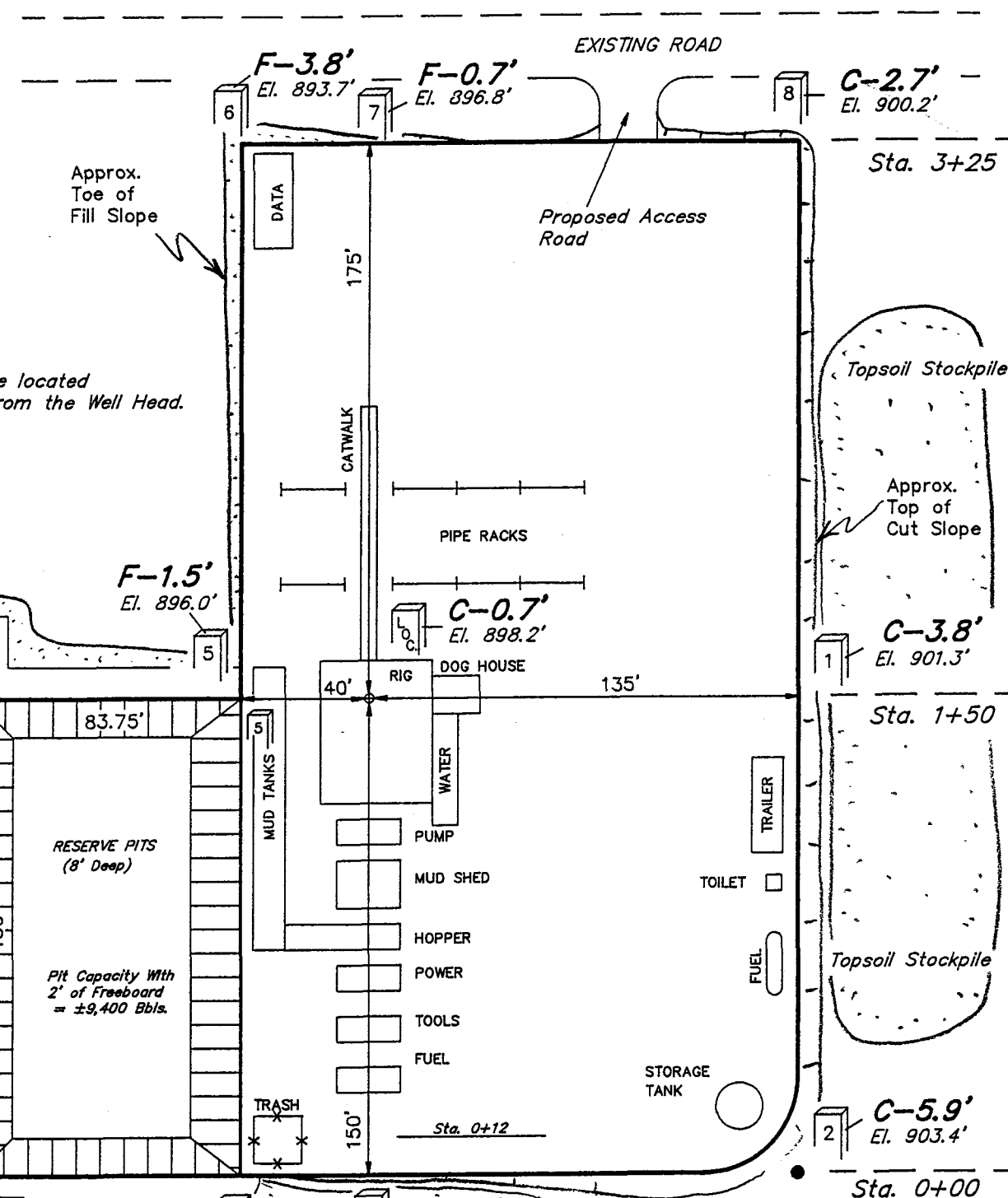


STA. 0+00

Elev. Ungraded Ground at Location Stake = 4898.2'

Elev. Graded Ground at Location Stake = 4897.5'

UINTAH ENGINEERING & LAND SURVEYING  
85 So. 200 East Vernal, Utah



NOTE:  
Flare Pit is to be located  
a min. of 100' from the Well Head.

El. 892.0'  
C-5.0'  
(btm. pit)

F-1.5'  
El. 896.0'

RESERVE PITS  
(8' Deep)

Pit Capacity With  
2' of Freeboard  
= ±9,400 Bbls.

El. 893.6'  
C-6.9'  
(btm. pit)

Reserve Pit Backfill  
& Spoils Stockpile

El. 897.1'  
F-0.4'

El. 899.2'  
C-1.7'

El. 900.2'  
C-2.7'

Sta. 3+25

Sta. 1+50

El. 903.4'  
C-5.9'

Sta. 0+00

### APPROXIMATE YARDAGES

(12") Topsoil Stripping = 2,560 Cu. Yds.

Remaining Location = 4,670 Cu. Yds.

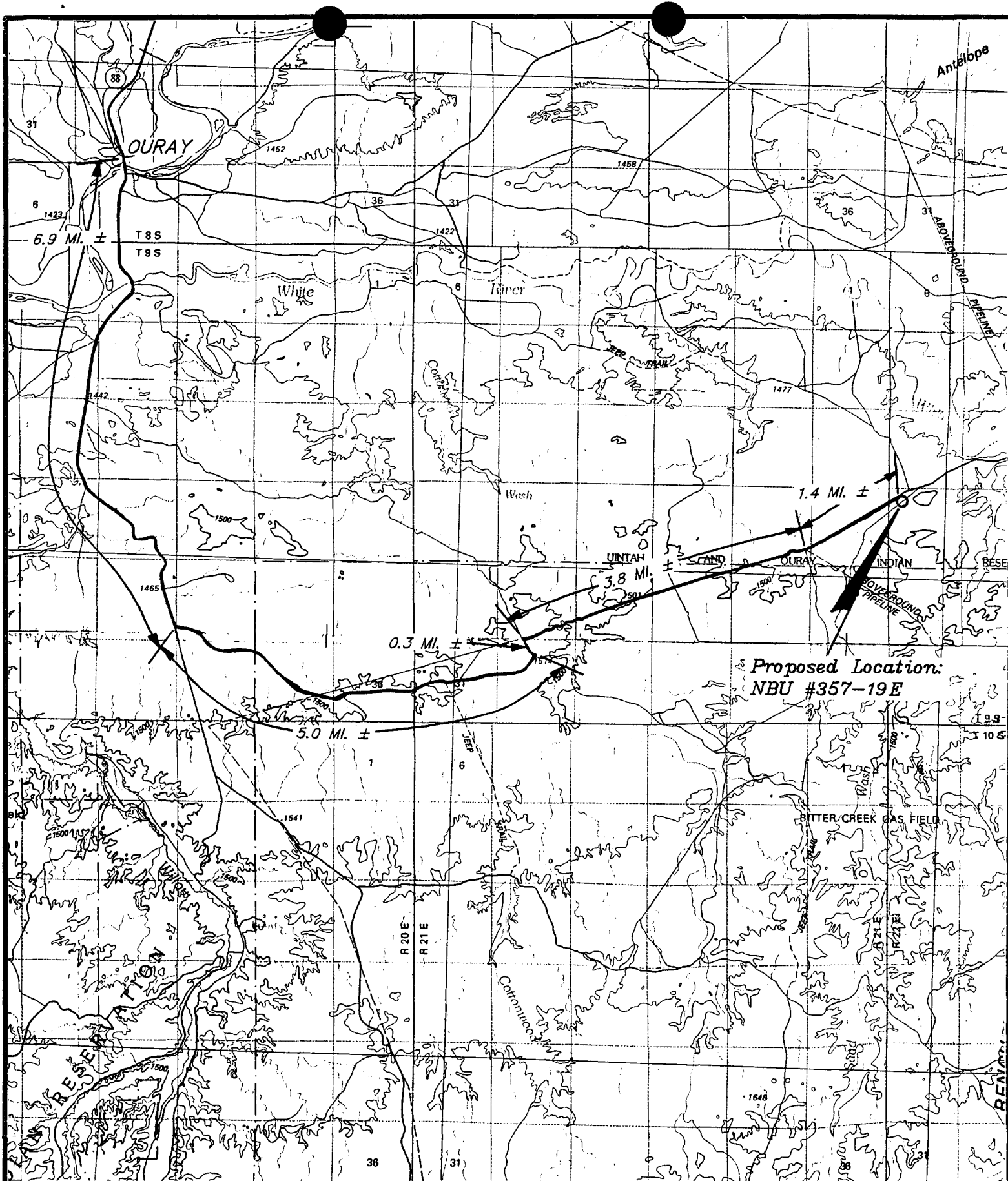
TOTAL CUT = 7,230 CU.YDS.

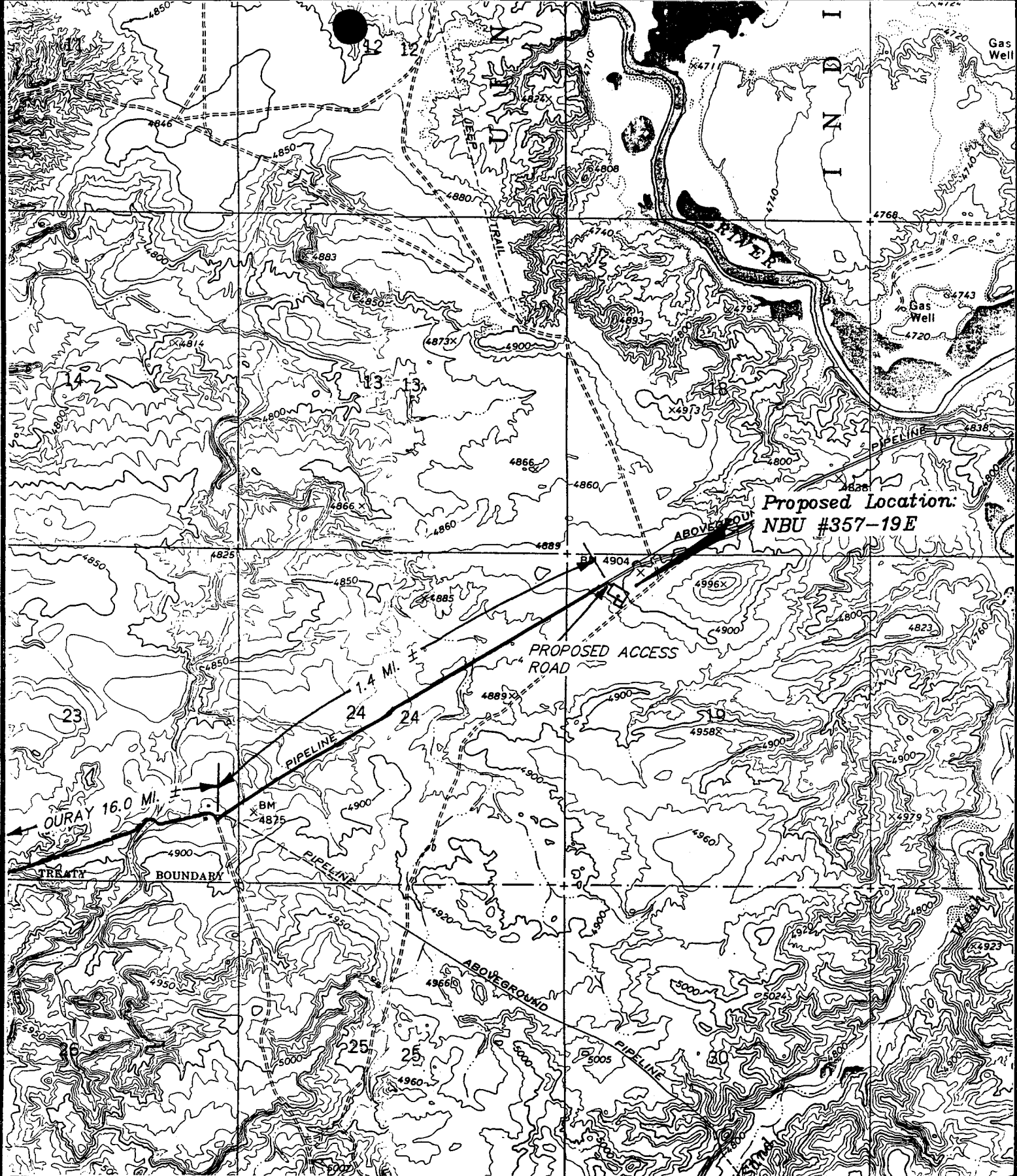
FILL = 1,650 CU.YDS.

EXCESS MATERIAL AFTER  
5% COMPACTION = 5,490 Cu. Yds.

Topsoil & Pit Backfill  
(1/2 Pit Vol.) = 3,960 Cu. Yds.

EXCESS UNBALANCE  
(After Rehabilitation) = 1,530 Cu. Yds.





TOPOGRAPHIC

MAP "B"

SCALE: 1" = 2000'

DATE 11-10-92 J.L.G.



ENRON OIL & GAS CO.

NBU #357-19E

SECTION 19, T9S, R22E, S.L.B.&M.





# **LEGEND:**

- ◊ = Water Wells
- ◆ = Abandoned Wells
- = Temporarily Abandoned Wells
- = Disposal Wells
- = Drilling Wells
- = Producing Wells
- = Shut-in Wells



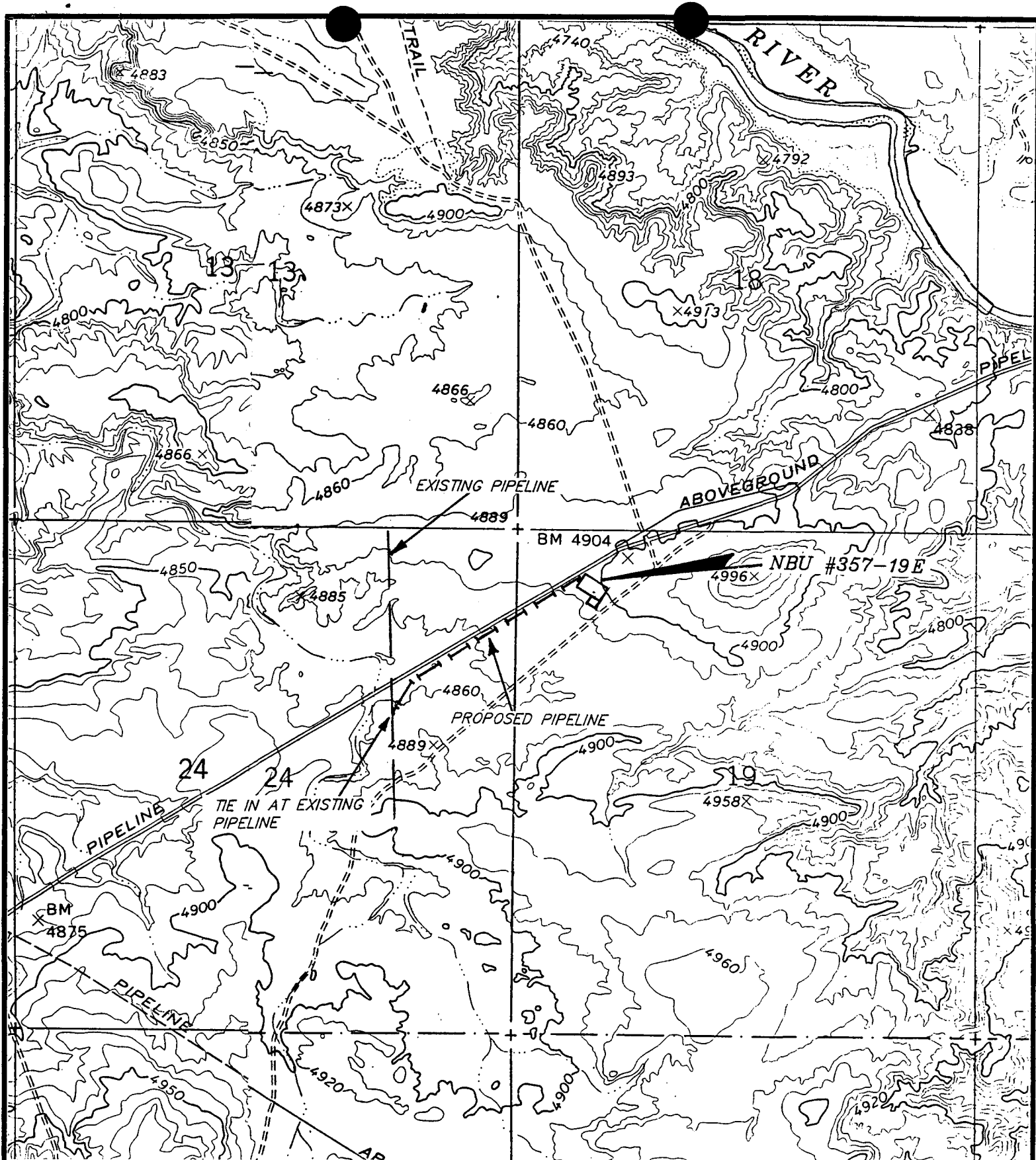
## **ENRON OIL & GAS CO.**

NBU #357-19E

SECTION 19, T9S, R22E, S.L.B.&M.

T O P O M A P " C "

DATE: 11-11-92 J.L.G.



**TOTAL PIPELINE DISTANCE = 2657' ±**

**TOPOGRAPHIC  
MAP "D"**

**LEGEND**

- EXISTING PIPELINE
- - - - - Proposed Pipeline



**ENRON OIL & GAS CO.**

PROPOSED PIPELINE RIGHT-OF-WAY FOR  
NBU #357-19E  
SECTION 19, T9S, R22E, S.L.B.&M.

DATE: 9-9-92

WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

DATE RECEIVED: 11/24/92

OPERATOR: ENRON OIL AND GAS COMPANY  
WELL NAME: NBU 357-19E

OPERATOR ACCT NO: N-0401

API NO. ASSIGNED: 43-047-30410

LEASE TYPE: FED

LEASE NO: 1-0084

LOCATION: NWNW 19 - T09S - R22E UINTAH COUNTY

FIELD: NATURAL BUTTES

FIELD CODE: 630

RECEIVED AND/OR REVIEWED:

☒ Plat

☒ Bond

(Number Federal)

☒ Potash (Y/N)

☒ Oil shale (Y/N)

☒ Water permit

(Number 19-1501)

☒ RDCC Review (Y/N)

(Date: \_\_\_\_\_)

LOCATION AND SITING:

☒ R649-2-3. Unit: Natural Buttes

☐ R649-3-2. General.

☐ R649-3-3. Exception.

☐ Drilling Unit.

Board Cause no: \_\_\_\_\_

Date: \_\_\_\_\_

COMMENTS:

Included in 4<sup>th</sup> supplemental POD eff 8-7-90.  
Oil shale area  
Designation of agent included in file.

STIPULATIONS:

CC: BIA



Norman H. Bangerter

Governor

Dee C. Hansen

Executive Director

Dianne R. Nielson, Ph.D.

Division Director

# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

355 West North Temple

3 Triad Center, Suite 350

Salt Lake City, Utah 84180-1203

801-538-5340

December 2, 1992

Enron Oil and Gas Company  
P.O. Box 1815  
Vernal, Utah 84078

Gentlemen:

Re: Natural Buttes Unit 357-19E Well, 666 feet from the north line, 828 feet from the west line, NW 1/4 NW 1/4, Section 19, Township 9 South, Range 22 East, Uintah County, Utah

Pursuant to Utah Code Ann. § 40-6-18, (1953, as amended), Utah Admin. R. 649-2-3, Application of Rules to Unit Agreements and R. 649-3-4, Permitting of Wells to be Drilled, Deepened or Plugged-Back, approval to drill the referenced well is hereby granted.

In addition, the following specific actions are necessary to fully comply with this approval:

1. Compliance with the requirements of Utah Admin. R. 649-1 et seq., Oil and Gas Conservation General Rules.
2. Notification within 24 hours after drilling operations commence.
3. Submittal of Entity Action Form, Form 6, within five working days following commencement of drilling operations and whenever a change in operations or interests necessitates an entity status change.
4. Submittal of the Report of Water Encountered During Drilling, Form 7.
5. Prompt notification prior to commencing operations, if necessary, to plug and abandon the well. Notify Frank R. Matthews, Petroleum Engineer, (Office) (801)538-5340, (Home) (801)476-8613, or R.J. Firth, Associate Director, (Home) (801)571-6068.

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Enron Oil and Gas Company

Natural Buttes Unit 357-19E Well

December 2, 1992

6. Compliance with the requirements of Utah Admin. R. 649-3-20, Gas Flaring or Venting, if the well is completed for production.

Trash and sanitary waste should be properly contained and transported to approved disposal locations, not retained in or disposed of in pits on location or downhole. Prior to the commencement of drilling operations, the operator should consult the local/county sanitarian and/or the Department of Environmental Quality, Division of Drinking Water/Sanitation, regarding appropriate disposal of sanitary waste.

This approval shall expire one year after date of issuance unless substantial and continuous operation is underway or a request for an extension is made prior to the approval expiration date. The API number assigned to this well is 43-047-32412.

Sincerely,



R.J. Firth

Associate Director, Oil and Gas

ldc

Enclosures

cc: Bureau of Land Management  
Uintah County Assessor  
Bureau of Indian Affairs  
J.L. Thompson

WOI1



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Vernal District Office  
170 South 500 East  
Vernal, Utah 84078

TAKE  
PRIDE IN  
AMERICA

IN REPLY REFER TO:

Phone (801) 789-1362

FAX (801) 781-4410 3162  
UT08438

August 4, 1993

C. C. Parsons  
Enron Oil & Gas Company  
P.O. Box 250  
Big Piney, WY 83113

Re: Natural Buttes Unit 323-23E  
Lease No. U-0149075  
NWNE, Section 23, T9S, R21E  
Natural Buttes Unit 350-15E  
Lease No. U-0578-A  
SESW, Section 15, T9S, R20E  
Natural Buttes Unit 357-19E  
Lease No. U-0284  
Lot 1, Section 19, T9S, R22E  
Natural Buttes Unit 369-22E  
Lease No. U-0577-B  
NESW, Section 22, T9S, R20E  
Uintah County, Utah

43-047-32412

Dear Mr. Parsons:

The Applications for Permit to Drill the above-referenced wells are being returned unapproved as per your request. If you intend to drill at these locations at a future date, new Applications for Permit to Drill must be submitted.

If you have any questions, please contact me at (801) 789-1362.

Sincerely,

*Margie Herrmann*

Margie Herrmann  
Legal Instruments Examiner

cc: State Div. OG&M  
Enron Oil & Gas Co--Vernal

RECEIVED

AUG 09 1993

DIVISION OF  
OIL GAS & MINING



State of Utah  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt  
Governor

Ted Stewart  
Executive Director

James W. Carter  
Division Director

355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203  
801-538-5340  
801-359-3940 (Fax)  
801-538-5319 (TDD)

August 17, 1993

Mr. C. C. Parsons  
Enron Oil & Gas Company  
P.O. Box 250  
Big Piney, Wyoming 83113

Dear Mr. Parsons:

Re: Well No. NBU 357-19E, Sec. 19, T. 9S, R. 22E, Uintah County, Utah  
API No. 43-047-32412

In response to Bureau of Land Management action and your request for cancellation of the Application for Permit to Drill, approval to drill the above referenced well is hereby rescinded. A new Application for Permit to Drill must be filed with this office for approval prior to the commencement of any future work on the subject location.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division of Oil, Gas and Mining immediately.

Sincerely,

Don Staley  
Administrative Manager  
Oil and Gas

DME/lde  
cc: Bureau of Land Management - Vernal  
R.J. Firth  
Well file  
WOI230

